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From: Lacourciere, Karen
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Please perform a length limited search of SEQ ID NO:23, 24 and 25 for 09/310,844 in both the commercial databases and the pending files (interference). Please limit the length to less than 80 bases.
Thank-you!
Karen

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Searcher:_____
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Date Picked Up:_____
Date Completed:_____
Searcher Prep/Review:_____
Clerical:_____
Online time:_____

TYPE OF SEARCH:
NA Sequences:_____
AA Sequences:_____
Structures:_____
Bibliographic:_____
Litigation:_____
Full text:_____
Patent Family:_____
Other:_____

VENDOR/COST (where applic.)
STN:_____
DIALOG:_____
Questel/Orbit:_____
DRLink:_____
Lexis/Nexis:_____
Sequence Sys.:_____
WWW/Internet:_____
Other (specify):_____

FILE 'REGISTRY' ENTERED AT 12:05:11 ON 20 APR 2004
L7 49 SEA ABB=ON PLU=ON GAU.CUUU..GUAAGCCC.A.G.G | UAUGAUUCUU UUUGUAAGCCCUAGGGGCU | AAAGAUUCUUUUUGUAAGCCCCAAGGGCU/SQSN AND SQL=<80

FILE 'HCAPLUS' ENTERED AT 12:09:08 ON 20 APR 2004
L8 2 SEA ABB=ON PLU=ON L7

L8 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN
ED Entered STN: 19 Nov 1999
ACCESSION NUMBER: 1999:737040 HCAPLUS
DOCUMENT NUMBER: 131:346488
TITLE: Modulation of molecular interaction sites on RNA and other biomolecules
INVENTOR(S): Ecker, David J.; Griffey, Richard; Crooke, Stanely T.; Sampath, Ranga; Swayze, Eric; Mohan, Venkatraman; Hofstadler, Steven; McNeil, John
PATENT ASSIGNEE(S): Isis Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 405 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9958947	A2	19991118	WO 1999-US10361	19990512
WO 9958947	A3	20000203		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2331726	AA	19991118	CA 1999-2331726	19990512
EP 1083980	A2	20010321	EP 1999-924185	19990512
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
AU 745161	B2	20020314	AU 1999-40748	19990512
JP 2003520940	T2	20030708	JP 2000-548700	19990512
US 2003017483	A1	20030123	US 2002-104949	20020322

PRIORITY APPLN. INFO.:
US 1998-76404 A2 19980512
US 1998-85092P P 19980512
WO 1999-US10361 W 19990512

AB Methods for the identification of compds. which modulate (inhibit or stimulate) biomols. are provided. Nucleic acids, especially RNAs, are preferred substrates for such modulation. The methods are particularly powerful in that they provide novel combinations of techniques which give rise to compds., usually "small" organic compds., which are highly potent modulators of RNA and other biomol. activity. In accordance with preferred aspects of the invention, very large nos. of compds. may be tested essentially simultaneously

to determine whether they are likely to interact with a mol. interaction site and modulate the activity of the biomol. Pharmaceuticals, veterinary drugs, agricultural chems., industrial chems., research chems. and many other beneficial compds. may be identified in accordance with embodiments of this invention.

IT **250268-75-8 250274-05-6 250274-06-7 250276-45-0 250276-48-3**
RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(biomol. modulator identification)

L8 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN
ED Entered STN: 19 Nov 1999
ACCESSION NUMBER: 1999:736988 HCAPLUS
DOCUMENT NUMBER: 131:346487
TITLE: Identification of molecular interaction sites in RNA for drug discovery
INVENTOR(S): Ecker, David J.; Sampath, Ranga; Griffey, Richard; McNeil, John
PATENT ASSIGNEE(S): Isis Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 152 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 5
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9958719	A1	19991118	WO 1999-US10343	19990512
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6221587	B1	20010424	US 1998-76440	19980512
CA 2331315	AA	19991118	CA 1999-2331315	19990512
AU 9939823	A1	19991129	AU 1999-39823	19990512
AU 756906	B2	20030123		
EP 1082462	A1	20010314	EP 1999-922938	19990512
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002526030	T2	20020820	JP 2000-548510	19990512

PRIORITY APPLN. INFO.:
US 1998-76440 A2 19980512
US 1998-85092P P 19980512
WO 1999-US10343 W 19990512

AB Methods of identifying mol. interactions sites in eukaryotic and prokaryotic nucleic acids, especially RNA, are described. Secondary structural elements are identified from highly conserved sequences. Methods of preparing databases relating to such mol. interaction sites are also provided herein as are databases themselves. Therapeutic, agricultural, industrial, and other applicability results from

interaction of such mol. interaction sites with "small" and other mols.

IT **250331-81-8 250331-82-9 250331-83-0**
250331-84-1 250359-48-9 250359-54-7
250359-56-9 250359-61-6 250359-62-7
250606-35-0
RL: PRP (Properties)
(unclaimed nucleotide sequence; identification of mol. interaction sites in RNA for drug discovery)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

E33 THROUGH E47 ASSIGNED

FILE 'REGISTRY' ENTERED AT 12:09:51 ON 20 APR 2004

L9 15 SEA FILE=REGISTRY ABB=ON PLU=ON (250268-75-8/BI OR 250274-05-6/BI OR 250274-06-7/BI OR 250276-45-0/BI OR 250276-48-3/BI OR 250331-81-8/BI OR 250331-82-9/BI OR 250331-83-0/BI OR 250331-84-1/BI OR 250359-48-9/BI OR 250359-54-7/BI OR 250359-56-9/BI OR 250359-61-6/BI OR 250359-62-7/BI OR 250606-35-0/BI)

L10 15 L7 AND L9

L10 ANSWER 1 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN
RN **250606-35-0** REGISTRY
CN RNA, (U-G-A-U-A-A-A-U-A-U-G-G-A-U-C-U-U-U-U-A-A-G-A-U-U-C-U-U-U-U-U-G-U-A-A-G-C-C-C-U-A-C-G-G-G-C) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 245: PN: WO9958719 FIGURE: 83 unclaimed DNA
CI MAN
SQL **46**

SEQ 1 ugauaaauau ggaucuuuua agauucuuuu uguaagcccu acgggc
========= ========== =====

HITS AT: 22-45

REFERENCE 1: 131:346487

L10 ANSWER 2 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN
RN **250359-62-7** REGISTRY
CN RNA, (A-U-A-U-U-U-G-A-U-C-C-U-U-U-C-U-G-U-A-A-G-C-C-C-U-A-C-G-G-G-C-U-C-A-A-A-A-U-G-U-A-C) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 274: PN: WO9958719 FIGURE: 87 unclaimed DNA
CI MAN
SQL **42**

SEQ 1 auauuugauc cuuucuguaa gcccuacggg cucaaaaugu ac
==== ========== ==========

HITS AT: 7-30

REFERENCE 1: 131:346487

L10 ANSWER 3 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN

RN **250359-61-6** REGISTRY
CN RNA, (U-U-U-U-A-U-G-A-U-U-C-U-U-U-U-U-G-U-A-A-G-C-C-C-U-A-G-G-G-G-C-U-C-U-A-A-A-A-U-G-G-U) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 273: PN: WO9958719 FIGURE: 87 unclaimed DNA
CI MAN
SQL **42**

SEQ 1 uuuuaugauu cuuuuuguaa gcccuagggg cucuaaaaug gu
======= ========== ========== ==
HITS AT: 4-32

REFERENCE 1: 131:346487

L10 ANSWER 4 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN
RN **250359-56-9** REGISTRY
CN RNA, (U-U-U-U-A-A-G-A-U-U-C-U-U-U-U-U-G-U-A-A-G-C-C-C-U-A-G-G-C-G-U-G-C-U-A-A-A-A-A-C-U-C) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 269: PN: WO9958719 FIGURE: 87 unclaimed DNA
CI MAN
SQL **42**

SEQ 1 uuuuaagauu cuuuuuguaa gcccuaggcg ugcuaaaaac uc
==== ========== ==========
HITS AT: 7-30

REFERENCE 1: 131:346487

L10 ANSWER 5 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN
RN **250359-54-7** REGISTRY
CN RNA, (U-U-U-U-A-A-G-A-U-U-C-U-U-U-U-U-G-U-A-A-G-C-C-C-U-A-C-G-G-G-C-U-U-A-A-A-A-A-U-U-C-A) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 268: PN: WO9958719 FIGURE: 87 unclaimed DNA
CI MAN
SQL **42**

SEQ 1 uuuuaagauu cuuuuuguaa gcccuacggg cuuaaaaauu ca
==== ========== ==========
HITS AT: 7-30

REFERENCE 1: 131:346487

L10 ANSWER 6 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN
RN **250359-48-9** REGISTRY
CN RNA, (U-G-A-U-A-A-A-C-A-U-G-G-A-U-C-U-U-U-U-A-A-G-A-U-U-C-U-U-U-U-U-G-U-A-A-G-C-C-C-U-A-G-G-C-G-U) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 252: PN: WO9958719 FIGURE: 83 unclaimed DNA
CI MAN
SQL **46**

SEQ 1 ugauaaacau ggaucuuuua agauucuuuu uguaagcccu aggcgu
========= ========== =====
HITS AT: 22-45

REFERENCE 1: 131:346487

L10 ANSWER 7 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN
RN **250331-84-1** REGISTRY
CN RNA, (U-U-U-A-A-A-G-A-U-U-C-U-U-U-U-U-G-U-A-A-G-C-C-C-C-A-A-G-G-G-C-U-C-A-A-A-A-A-U-G-U-U) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 270: PN: WO9958719 FIGURE: 87 unclaimed DNA
CI MAN
SQL **42**

SEQ 1 uuuaaagauu cuuuuuguaa gccccaaggg cucaaaaaug uu
======= ========== ========== ==
HITS AT: 4-32

REFERENCE 1: 131:346487

L10 ANSWER 8 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN
RN **250331-83-0** REGISTRY
CN RNA, (G-U-C-U-G-U-U-C-U-A-A-G-A-U-C-A-U-A-U-U-U-G-A-U-C-C-U-U-U-C-U-G-U-A-A-G-C-C-C-U-A-C-G-G-G-C) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 251: PN: WO9958719 FIGURE: 83 unclaimed DNA
CI MAN
SQL **46**

SEQ 1 gucuguucua agaucauauu ugauccuuuc uguaagcccu acgggc
========== ========== =====
HITS AT: 22-45

REFERENCE 1: 131:346487

L10 ANSWER 9 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN
RN **250331-82-9** REGISTRY
CN RNA, (U-G-A-U-A-A-A-U-A-U-G-G-A-U-C-U-U-U-A-A-A-G-A-U-U-C-U-U-U-U-U-G-U-A-A-G-C-C-C-C-A-A-G-G-G-C) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 247: PN: WO9958719 FIGURE: 83 unclaimed DNA
CI MAN
SQL **46**

SEQ 1 ugauaaauau ggaucuuuaa agauucuuuu uguaagcccc aagggc
========== ========== =====
HITS AT: 22-45

REFERENCE 1: 131:346487

L10 ANSWER 10 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN
RN **250331-81-8** REGISTRY
CN RNA, (C-U-A-U-A-A-A-U-A-U-G-G-A-U-C-U-U-U-U-A-U-G-A-U-U-C-U-U-U-U-U-G-U-A-A-G-C-C-C-U-A-G-G-G-G-C) (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 246: PN: WO9958719 FIGURE: 83 unclaimed DNA
CI MAN
SQL **46**

SEQ 1 cuauaaauau ggaucuuuua ugauucuuuu uguaagcccu aggggc
========== ========== =====

HITS AT: 22-45

REFERENCE 1: 131:346487

L10 ANSWER 11 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN
RN **250276-48-3** REGISTRY
CN RNA, (A-A-A-G-A-U-U-C-U-U-U-U-U-G-U-A-A-G-C-C-C-C-A-A-G-G-G-C-U) (9CI) (CA INDEX NAME)
CI MAN
SQL **29**

SEQ 1 aaagauucuu uuuguaagcc ccaagggcu
========== ========== =========

HITS AT: 1-29

REFERENCE 1: 131:346488

L10 ANSWER 12 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN
RN **250276-45-0** REGISTRY
CN RNA, (G-A-U-A-A-A-U-A-U-G-G-A-U-C-U-U-U-A-A-A-G-A-U-U-C-U-U-U-U-U-G-U-A-A-G-C-C-C-C-A-A-G-G-G-C) (9CI) (CA INDEX NAME)
CI MAN
SQL **45**

SEQ 1 gauaaauaug gaucuuuaaa gauucuuuuu guaagcccca agggc
========== ========== ====

HITS AT: 21-44

REFERENCE 1: 131:346488

L10 ANSWER 13 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN
RN **250274-06-7** REGISTRY
CN RNA, (U-A-U-G-A-U-U-C-U-U-U-U-U-G-U-A-A-G-C-C-C-U-A-G-G-G-G-C-U) (9CI) (CA INDEX NAME)
CI MAN
SQL **29**

SEQ 1 uaugauucuu uuuguaagcc cuaggggcu
========== ========== =========

HITS AT: 1-29

REFERENCE 1: 131:346488

L10 ANSWER 14 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN
RN **250274-05-6** REGISTRY
CN RNA, (N-N-N-G-A-U-N-C-U-U-U-N-N-G-U-A-A-G-C-C-C-N-A-N-G-N-G-N-N) (9CI) (CA INDEX NAME)
CI MAN
SQL **29**

SEQ 1 nnngauncuu unnguaagcc cnangngnn
======= ========== =======

HITS AT: 4-27

REFERENCE 1: 131:346488

L10 ANSWER 15 OF 15 REGISTRY COPYRIGHT 2004 ACS on STN
RN **250268-75-8** REGISTRY
CN RNA, (U-A-U-A-A-A-U-A-U-G-G-A-U-C-U-U-U-U-A-U-G-A-U-U-C-U-U-U-U-U-G-U-A-A-G-C-C-C-U-A-G-G-G-G-C) (9CI) (CA INDEX NAME)
CI MAN
SQL **45**

SEQ 1 uauaaauaug gaucuuuuau gauucuuuuu guaagcccua ggggc
========== ========== ====

HITS AT: 21-44

REFERENCE 1: 131:346488

FILE 'HOME' ENTERED AT 12:10:15 ON 20 APR 2004